WO 2005/010152 PCT/US2004/020296

## SEQUENCE LISTING

<110> Tanox, Inc. LI, Kang WANG, Shen-Wu HU, Guanghui YAO, Zengbin				·	
<120> Human Mast Cell	Expressed	Membrane P	rotein		
<130> Case 1043					
<150> 60/483,360 <151> 2003-06-27					
<160> 4					
<170> PatentIn version 3.2					
<210> 1 <211> 1380 <212> DNA <213> Homo sapiens					
<400> 1 ggttatggtt taactcagca	aaatttatta	2262261260	acatactaga	gateategea	60
tggaatgcaa cttgcaaaaa					60 120
tccattttt atgggattga					180
ggctacatct tctctctgaa					240
gtctctgact tagcttttct					
aactggatat atggagacgt					300
tataccagca ttctcttct					360 420
cctttccgag aacaccttct					480
tgggttttag taaccttaga		•			540
gacaatggca ccacctgtaa				_	
tacagcatgt gtctaacact					600 660
tattacaaga ttgctctctt					720
cttgaaaagc ctctcaactt					780
ccctatcacg tcatgcggaa					840
cagtgcactc aggtcgtcat					900
aacagtgtca tcaaccctgt					960
atgaatcaac tgagacacaa	•				1020
ctcctacttt cattcagaga				-	1020
tctgtaagcc agttacagtt					1140
ttaaccttga tctaaagaca a					
atgtactggt ttcttcctct a					1200 1260
taactccaaa atactaggta g					1320

<210> 2 <211> 330

<212> PRT

<213> Homo sapiens

<400> 2

Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala Ala Glu Ala Ala 1 10 15

Leu Glu Lys Tyr Tyr Leu Ser Ile Phe Tyr Gly Ile Glu Phe Val Val 20 25 30

Gly Val Leu Gly Asn Thr Ile Val Val Tyr Gly Tyr Ile Phe Ser Leu 35 40 45

Lys Asn Trp Asn Ser Ser Asn Ile Tyr Leu Phe Asn Leu Ser Val Ser 50 60

Asp Leu Ala Phe Leu Cys Thr Leu Pro Met Leu Ile Arg Ser Tyr Ala 65 70 75 80

Asn Gly Asn Trp Ile Tyr Gly Asp Val Leu Cys Ile Ser Asn Arg Tyr 85 90 95

Val Leu His Ala Asn Leu Tyr Thr Ser Ile Leu Phe Leu Thr Phe Ile  $100 \hspace{1cm} 105 \hspace{1cm} 110$ 

Ser Ile Asp Arg Tyr Leu Ile Ile Lys Tyr Pro Phe Arg Glu His Leu 115 120 125

Leu Gln Lys Lys Glu Phe Ala Ile Leu Ile Ser Leu Ala Ile Trp Val 130 140

Leu Val Thr Leu Glu Leu Leu Pro Ile Leu Pro Leu Ile Asn Pro Val 145 150 155 160

lle Thr Asp Asn Gly Thr Thr Cys Asn Asp Phe Ala Ser Ser Gly Asp 165 170 175

Pro Asn Tyr Asn Leu Ile Tyr Ser Met Cys Leu Thr Leu Leu Gly Phe 180 185 190

Leu Ile Pro Leu Phe Val Met Cys Phe Phe Tyr Tyr Lys Ile Ala Leu 195 200 205

Phe Leu Lys Gln Arg Asn Arg Gln Val Ala Thr Ala Leu Pro Leu Glu 210 215 220

Lys Pro Leu Asn Leu Val Ile Met Ala Val Val Ile Phe Ser Val Leu 225 230 235 240 WO 2005/010152 PCT/US2004/020296

Phe Thr Pro Tyr His Val Met Arg Asn Val Arg Ile Ala Ser Arg Leu 245 250 255

Gly Ser Trp Lys Gln Tyr Gln Cys Thr Gln Val Val Ile Asn Ser Phe 260 265 270

Tyr Ile Val Thr Arg Pro Leu Ala Phe Leu Asn Ser Val Ile Asn Pro 275 280 285

Val Phe Tyr Phe Leu Leu Gly Asp His Phe Arg Asp Met Leu Met Asn 290 295 300

Gln Leu Arg His Asn Phe Lys Ser Leu Thr Ser Phe Ser Arg Trp Ala 305 310 315

His Glu Leu Leu Ser Phe Arg Glu Lys 325 330

<210> 3 <211> 1029 <212> DNA

<213> Homo sapiens

atgctgggga tcatggcatg gaatgcaact tgcaaaaact ggctggcagc agaggctgcc 60 gactacaaag acgatgacga caagctggaa aagtactacc tttccatttt ttatgggatt 120 gagttcgttg tgggagtcct tggaaatacc attgttgttt acggctacat cttctctctg 180 aagaactgga acagcagtaa tatttatctc tttaacctct ctgtctctga cttagctttt 240 300 ctgtgcaccc tccccatgct gataaggagt tatgccaatg gaaactggat atatggagac 360 gtgctctgca taagcaaccg atatgtgctt catgccaacc tctataccag cattctcttt 420 ctcactttta tcagcataga tcgatacttg ataattaagt atcctttccg agaacacctt ctgcaaaaga aagagtttgc tattttaatc tccttggcca tttgggtttt agtaacctta 480 540 gagttactac ccatacttcc ccttataaat cctgttataa ctgacaatgg caccacctgt 600 aatgattttg caagttctgg agaccccaac tacaacctca tttacagcat gtgtctaaca ctgttggggt tccttattcc tctttttgtg atgtgtttct tttattacaa gattgctctc 660 ttcctaaagc agaggaatag gcaggttgct actgctctgc cccttgaaaa gcctctcaac 720 780 ttggtcatca tggcagtggt aatcttctct gtgcttttta caccctatca cgtcatgcgg aatgtgagga tcgcttcacg cctggggagt tggaagcagt atcagtgcac tcaggtcgtc 840 900 atcaactcct tttacattgt gacacggcct ttggcctttc tgaacagtgt catcaaccct 960 gtcttctatt ttcttttggg agatcacttc agggacatgc tgatgaatca actgagacac aacttcaaat cccttacatc ctttagcaga tgggctcatg aactcctact ttcattcaga 1020 1029 gaaaagtga

<211> 342

<213> Homo sapiens

<400> 4

Met Leu Gly Ile Met Ala Trp Asn Ala Thr Cys Lys Asn Trp Leu Ala 1 10 15

Ala Glu Ala Ala Asp Tyr Lys Asp Asp Asp Lys Leu Glu Lys Tyr 20 25 30 .

Tyr Leu Ser Ile Phe Tyr Gly Ile Glu Phe Val Val Gly Val Leu Gly 35 40 45

Asn Thr Ile Val Val Tyr Gly Tyr Ile Phe Ser Leu Lys Asn Trp Asn 50 55 60

Ser Ser Asn Ile Tyr Leu Phe Asn Leu Ser Val Ser Asp Leu Ala Phe 65 70 75 80

Leu Cys Thr Leu Pro Met Leu Ile Arg Ser Tyr Ala Asn Gly Asn Trp 85 90 95

Ile Tyr Gly Asp Val Leu Cys Ile Ser Asn Arg Tyr Val Leu His Ala 100 105 110

Asn Leu Tyr Thr Ser Ile Leu Phe Leu Thr Phe Ile Ser Ile Asp Arg 115 120 125

Tyr Leu Ile Ile Lys Tyr Pro Phe Arg Glu His Leu Leu Gln Lys Lys 130 140

Glu Phe Ala Ile Leu Ile Ser Leu Ala Ile Trp Val Leu Val Thr Leu 145 150 155 160

Glu Leu Leu Pro Ile Leu Pro Leu Ile Asn Pro Val Ile Thr Asp Asn 165 170 175

Gly Thr Thr Cys Asn Asp Phe Ala Ser Ser Gly Asp Pro Asn Tyr Asn 180 185 190

Leu Ile Tyr Ser Met Cys Leu Thr Leu Leu Gly Phe Leu Ile Pro Leu 195 200 205

Phe Val Met Cys Phe Phe Tyr Tyr Lys Ile Ala Leu Phe Leu Lys Gln 210 220

Arg Asn Arg Gln Val Ala Thr Ala Leu Pro Leu Glu Lys Pro Leu Asn 225 230 235 240

Leu Val Ile Met Ala Val Val Ile Phe Ser Val Leu Phe Thr Pro Tyr 245 250 255

His Val Met Arg Asn Val Arg Ile Ala Ser Arg Leu Gly Ser Trp Lys 260 265 270

Gln Tyr Gln Cys Thr Gln Val Val Ile Asn Ser Phe Tyr Ile Val Thr 275 280 285

Arg Pro Leu Ala Phe Leu Asn Ser Val Ile Asn Pro Val Phe Tyr Phe 290 295 300

Leu Leu Gly Asp His Phe Arg Asp Met Leu Met Asn Gln Leu Arg His 310 315 320

Asn Phe Lys Ser Leu Thr Ser Phe Ser Arg Trp Ala His Glu Leu Leu 325 330 335

Leu Ser Phe Arg Glu Lys 340